



KEYED NOTES:

- ① INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
- ② MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
- ③ INSTALL SWING JOINTS AT COIL CONNECTIONS.
- ④ CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
- ⑤ INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS:
A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
- ⑥ INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION NOTED ON COIL.

CHILLED WATER COIL PIPING DETAIL

(VARIABLE FLOW THROUGH COIL, FAIL TO FULL COOLING)

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 10 FOR STACKED COIL PIPING.
2. SEE SHEET 11 FOR DESIGN NOTES.

DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
(REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE).

1	6-14-03	U	REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED STANER & KEYED NOTE 8. DWG NO. WAS ST6121.	RP	AB	JM	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES				ENGINEERING STANDARDS MANUAL				
CHILLED WATER COIL PIPING DETAIL VARIABLE FLOW, FAIL TO FULL COOLING				DRAWN: R. PEARSON DESIGN: A. BRIDGE CHECKED: G. GREWAL DATE: 6-28-99				
BLDG X SUBMITTED: DISCIPLINE: POC: GURINDER GREWAL				TA-X APPROVED FOR RELEASE: STANDARDS MANAGER: TOBIN ORUCH				
Los Alamos National Laboratory PO Box 1663 Los Alamos, New Mexico 87545				SHEET: 2 OF 11				
CLASSIFICATION: U PROJECT ID:				REVIEWER: LARRY BAYS DRAWING NO: DATE:				
CHAPTER 6				ST-D30GEN-2				
				REV: 1				